



Low Cement Castables

Product Data

SUREFLOW FS-6LC (Formerly EZ CUBED FS-6LC)

SUREFLOW FS-6LC is a low cement, self-leveling, fused silica castable that offers high strength, excellent resistance to abrasion, and low reversible thermal expansion. This product may be cast or pumpcast.

Maximum Service Temperature: 2000°F (1095°C) under thermal cycling conditions

Bulk Density:
After 1500°F (815°C): 125 - 135 lb/ft³ (2000 - 2160 kg/m³)

Cold Crushing Strength:
After 1500°F (815°C): 8000-11000 psi (560-770 kg/cm²)

Modulus of Rupture:
After 1500°F (815°C): 1300-1700 psi (91-119 kg/cm²)

Permanent Linear Change(%):
After 1500°F (815°C): 0.0 to -0.2

Porosity: 13%

Erosion Loss using ASTM C-704 Method
After 1500°F (815°C) : max. 14 cc

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
500°F (260°C)	5.6	0.81
1000°F (540°C)	6.4	0.92
1500°F (815°C)	6.9	0.99

Coefficient of Reversible Thermal Expansion: 0.8 x 10⁻⁶ in/in/°F (1.4 x 10⁻⁶ cm/cm/°C)

Typical Chemical Analysis(%):

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	CaO	MgO	Alkalies
69.3	28.5	0.1	0.1	1.8	Tr	0.2

Standard Packaging: 72 - 55 lb. bags per pallet

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice. RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

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